Application No.: 10/676,170

Office Action Dated: April 23, 2009

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended): A surgical retractor, comprising:

a handle having a longitudinal axis, proximal and distal ends, and a longitudinally elongate outer surface for being held by an operator, wherein the handle defines an enclosed

perimeter of an opening;

a first coupling mechanism coupled to the proximal end of the handle, wherein the first coupling mechanism comprises a knob having a bore, wherein at least a portion of the knob is disposed within the handle opening, and wherein the knob is rotatable in the opening

about the longitudinal axis of the handle; and

a blade member having a proximal end and a distal end,

wherein (i) the blade member comprises a coupling element, and the coupling element is configured and dimensioned to be received in the bore of the knob such that the blade member becomes detached from the handle when the coupling element is not received in the bore of the knob, and (ii) rotation of the knob in a first direction causes the coupling element

to advance into the bore of the knob.

2. (Canceled)

3. (Canceled)

4. (Previously Presented): The retractor of claim 1, wherein the coupling element comprises

a shaft.

5. (Original): The retractor of claim 4, wherein the shaft and the bore comprise mating

threads for releasably advancing the shaft within the bore.

6. (Original): The retractor of claim 5, wherein the handle comprises an opening, and the

opening is configured and dimensioned to receive the knob.

7. (Previously Presented): The retractor of claim 1, wherein the blade member comprises an

aperture adjacent the distal end of the blade configured and dimensioned to allow a surgical

tool to pass through the aperture.

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8. (Canceled)

9. (Original): The retractor of claim 7, wherein the aperture is configured and dimensioned

to allow an orthopedic implant to pass through the aperture.

10. (Original): The retractor of claim 1, wherein the distal end of the blade member

comprises a structure for stabilizing the retractor blade against bone.

11. (Original): The retractor of claim 1, wherein the distal end of the blade member

comprises a hook-shape.

12. (Original): The retractor of claim 11, wherein the hook-shape comprises a "C"-shape.

13. (Original): The retractor of claim 11, wherein the hook-shape comprises a "L"-shape.

14. (Original): The retractor of claim 1, further comprising a second coupling mechanism

located on the handle for coupling a second surgical instrument to the handle.

15. (Original): The retractor of claim 14, wherein the second surgical instrument comprises

an endoscope.

16. (Original): The retractor of claim 15, wherein the endoscope is positioned to provide a

view of the distal end of the retractor blade.

17. (Original): The retractor of claim 15, further comprising an endoscope secured to the

handle.

18. (Canceled)

19. (Original): The retractor of claim 1, further comprising a second coupling mechanism,

and the second coupling mechanism comprises a coupling member.

20. (Canceled)

21. (Previously Presented): The retractor of claim 19, wherein the coupling member is

telescopically received within the handle.

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22. (Canceled)

23. (Previously Presented): The retractor of claim 19, wherein the coupling member contacts

a second member.

24. (Canceled)

25. (Previously Presented): The retractor of claim 23, wherein the coupling member and the

second member are operatively associated to fix a second surgical instrument with respect to

the handle.

26. (Original): The retractor of claim 25, wherein the coupling member comprises a recess

adapted to receive a portion of the second surgical instrument.

27. (Original): The retractor of claim 26, wherein the recess has an inner surface, and the

inner surface is adapted to clamp the portion of the second surgical instrument to the second

member.

28. (Original): The retractor of claim 1, further comprising another surgical instrument

having a coupling element configured and dimensioned to connect with the first coupling

mechanism.

29. (Original): The retractor of claim 28, wherein the other surgical instrument comprises a

retractor blade.

30. (Original): The retractor of claim 1, further comprising a second handle transverse to the

longitudinal axis.

31. (Currently Amended): A method for treating bone comprising:

providing a surgical retractor comprising:

a handle having a longitudinal axis, proximal and distal ends, and a

longitudinally elongated outer surface for being held by an operator, wherein the handle

defines an enclosed perimeter of an opening;

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a first coupling mechanism coupled to the proximal end of the handle, wherein the first coupling mechanism comprises a knob having a threaded axial bore, wherein at least a portion of the knob is disposed within the handle opening and wherein the knob is rotatable in the opening about the longitudinal axis of the handle; and

a blade member having a proximal end and a distal end, wherein the blade member comprises and a threaded coupling element, and the threaded coupling element is configured and dimensioned to be received in the threaded axial bore of the knob;

a second coupling mechanism disposed on a backside of the handle proximate the proximal end of the handle;

positioning attaching an endoscope to the second coupling mechanism and positioning the endoscope with respect to the blade member for viewing a surgical site;

making an incision in soft tissue and elevating the soft tissue fascia off a bone segment proximate the surgical site;

passing a portion of the blade member through the incision; retracting the fascia off the bone segment with the blade member to form a cavity; circumventing at least in part a bone segment with a portion of the blade member; stabilizing the blade member on the bone segment; viewing the bone segment through the endoscope; and performing a surgical procedure proximate the bone segment.

- 32. (Original): The method of claim 31, further comprising securing the endoscope with respect to the blade member.
- 33. (Original): The method of claim 31, wherein performing the surgical procedure comprises passing an orthopedic implant through the cavity.
- 34. (Original): The method of claim 31, further comprising performing a part of the surgical procedure through an aperture of the blade member.
- 35. (Original): The method of claim 34, wherein performing the surgical procedure comprises passing a surgical tool through an aperture of the blade member.

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36. (Previously Presented): The method of claim 35, wherein the tool comprises at least one

of the group consisting of a drill, a burr, a syringe and a cannula.

- 37. (Canceled)
- 38. (Canceled)
- 39. (Canceled)

40. (Original): The method of claim 34, wherein performing the surgical procedure

comprises passing an orthopedic implant through the aperture.

41. (Previously Presented): The method of claim 40, wherein the implant comprises at least

one of the group consisting of a bone fastener, a screw and a bone void filler material.

- 42. (Canceled)
- 43. (Canceled)

44. (Original): The method of claim 31, wherein performing the surgical procedure

comprises securing an orthopedic implant to the bone segment.

45. (Original): The method of claim 44, wherein performing the surgical procedure

comprises fixating a fracture proximate the bone segment.

46. (Original): The method of claim 45, wherein the bone segment comprises a condylar

neck.

47. (Original): The method of claim 44, wherein performing the surgical procedure

comprises performing an orthognathic procedure.

48. (Original): The method of claim 44, wherein performing the surgical procedure

comprises a condylar grafting procedure.

49. (Original): The method of claim 48, wherein the bone segment comprises a ramus.

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50. (Original): The method of claim 48, wherein the bone segment comprises a condylar

neck.

51. (Canceled)

52. (Currently Amended): A surgical retractor comprising:

a handle elongate along a longitudinal axis, the handle having a proximal end, a distal

end, and an opening;

a first coupling mechanism coupled to the proximal end of the handle, wherein the

first coupling mechanism comprises a knob having a bore, wherein the knob is rotatable

about the longitudinal axis;

a second coupling mechanism disposed on a backside of the handle proximate the

proximal end of the handle, the second coupling mechanism having a through-hole and at

least a portion which is axially moveable within the opening of the handle, wherein the

through-hole of the second coupling mechanism is sized and configured to receive a surgical

instrument; and

a blade member having a proximal end, a distal end, and a coupling element disposed

proximate the proximal end of the blade member, wherein the coupling element is configured

and dimensioned to be received in the bore of the knob, such that rotation of the knob in a

first direction causes the coupling element to advance into the bore of the knob;

wherein the coupling element of the blade member is configured and dimensioned to

connect with the first coupling mechanism regardless of whether the surgical instrument is

received in the through-hole of the second coupling mechanism, and the surgical instrument

can be received in the through-hole of the second coupling mechanism regardless of whether

the blade member is connected with the first coupling mechanism.

53. (Previously Presented): The retractor of claim 52, wherein the surgical instrument is an

endoscope.

54. (Previously Presented): The retractor of claim 52, wherein the second coupling

mechanism comprises a clamping member telescopically received within the handle.

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55. (Previously Presented): The retractor of claim 54, wherein the clamping member is not

in contact with the handle.

56. (Previously Presented): The retractor of claim 55, wherein the clamping member

contacts a second member.

57. (Previously Presented): The retractor of claim 56, wherein the second member contacts

the handle.

58. (Previously Presented): The retractor of claim 56, wherein the clamping member and the

second member are operatively associated with each other to fix the surgical instrument with

respect to the handle.

59. (Previously Presented): The retractor of claim 58, wherein the clamping member

comprises a surface that defines a portion of the through-hole, the surface being adapted to

receive a portion of the surgical instrument, and also adapted to clamp at least a portion of the

surgical instrument to the second member.

60. (Previously Presented) The surgical retractor of claim 1, wherein the handle is elongate

along the longitudinal axis.

61. (Previously Presented) The surgical retractor of claim 60, wherein the coupling element

is rotatable about the longitudinal axis.

62. (Previously Presented) The surgical retractor of claim 14, wherein the handle is elongate

along the longitudinal axis.

63. (Previously Presented) The surgical retractor of claim 62, wherein the longitudinal axis

extends through the first coupling mechanism, and the second coupling mechanism is spaced

from the longitudinal axis of the handle.

64. (Previously Presented) The method of claim 31, wherein the blade member becomes

detached from the handle when the coupling element is not received in the bore of the knob;

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65. (Previously Presented): The method of claim 31, wherein the retractor further comprises a second coupling mechanism located on the handle for coupling the endoscope to the handle.

66. (Currently Amended): A surgical retractor, comprising:

a handle <u>having elongate along</u> a longitudinal axis, proximal and distal ends, and a longitudinally elongate outer surface for being held by an operator;

a first coupling mechanism coupled to the proximal end of the handle, wherein the first coupling mechanism comprises a knob having a bore, wherein at least a portion of the knob is disposed within the handle, and wherein the knob is rotatable about the longitudinal axis of the handle; and

a blade member external to the handle, the blade member having a proximal end and a distal end, and

wherein (i) the blade member comprises a coupling element, and the <u>a</u> coupling element is <u>extending from the proximal end in a direction angularly offset with respect to to the blade member, wherein the coupling element is configured and dimensioned to be received in the bore of the knob <u>such that the blade member extends in a direction that is angularly offset with respect to the longitudinal axis of the handle, and (ii) rotation of the knob in a first direction causes the coupling element to advance into the bore of the knob.</u></u>

- 67. (Previously Presented): The retractor of claim 66, further comprising a second coupling mechanism located on the handle for coupling a second surgical instrument to the handle.
- 68. (New) The retractor of claim 66, wherein the coupling element extends substantially perpendicular with respect to the blade member, and the blade member extends substantially perpendicular with respect to the longitudinal axis of the handle when the coupling element is received in the bore of the knob.